

Breakthroughs

ORS ISFR Newsletter



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ISFR is on LinkedIn

The [ISFR LinkedIn](#) serves as an additional hub for members to connect with each other, stay updated on the latest news, and engage in discussions relevant to our shared interests. Whether you're looking to network, share research, or stay informed, our LinkedIn community is the perfect place to do so.

Over 85% of ISFR members are on LinkedIn, but only 35% of ISFR members are following our page. Click [here](#) to follow us on LinkedIn. We also encourage you to spread the word and invite your colleagues to join us in this exciting initiative.

Thank you for being a part of our community, and we look forward to seeing you on LinkedIn!

Recap of the ORS ISFR Biennial Meeting



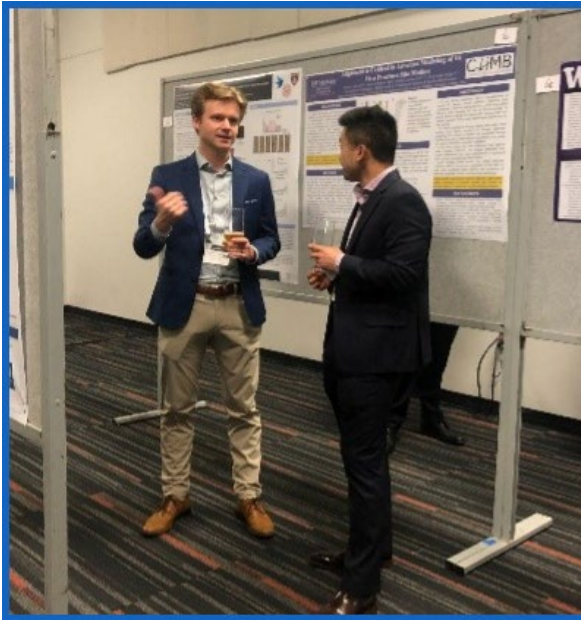
Held at the Montreal Convention Centre in Canada, the [ORS International Section of Fracture Repair \(ISFR\)](#) Biennial Meeting took place October 21-23 and welcomed over 87 clinicians, biologists, and engineers. The meeting kicked off with an informal networking event at the *Tavern Midway*, a historic landmark open since 1927.

The following day was packed with scientific sessions that covered immune, nerve, and hormonal cross talk in standard and at-risk fracture healing scenarios. There were previews of exciting emerging implant technologies promoting fracture healing by controlled micromotion by [Dr. Hannah Dailey](#) from Lehigh University. [Dr. Geoff Richards](#), from the AO Foundation, presented a diagnostic real-time measurement of bone deformation across the fracture site as surrogate and longitudinal non-invasive measurement of bone healing compared to temporal radiographs. Special sessions included a presentation on designing clinical research trials by Dr. Sheila Sprague, from McMaster University, and use of mRNA therapeutics in bone healing by [Dr. Elizabeth Rosado Balmayor](#) from University Hospital RWTH Aachen. Afterwards, [Dr. Martin Stoddart](#), from the AO Foundation, gave a wonderful keynote talk on how research shows mechanical activation of TGF β is a necessary component of musculoskeletal healing.

The scientific day was completed with a poster competition, where top rated abstracts were reviewed by three independent reviewers. Following the poster session, ISFR gathered for a reception at *Hotel Monville*, where awardees for the top three competitively scored podium and poster presentations from the day were announced.



Podium Session #1: Q&A moderated with Miriam Tschaffon-Muller, Mingxin Xu, Reyad Elbarbary, Matthew Raleigh, and Benjamin Schaffler.



Connor Huxman discusses his work during the poster competition.



ISFR Members (L-R) Leah Gitajn and Prism Schneider at the poster competition.



ISFR Officers & ORS Staff: (L-R) Matthew Silva, Sharon Smith-Terry, Jaime Alston, Mary Roti, Hamish Simpson, and Hannah Dailey.



ISFR Communications Committee Members: (L-R) Evan Buettmann, Andrea Alford, Miriam Tschaffon, and Augie Saiz.



ISFR Section Members: (L-R) Evan Buettmann, Andrea Alford, Mike Hast, Hannah Dailey, and Ines Reichert.



Andrea Alford & Arvind Nana moderate the Podium Session Q&A.



ORS ISFR/OTA BSFF Joint Session

On Wednesday, October 23rd, the ISFR Section crossover event centered on the OTA Basic Science Focus Forum. Chaired by **Dr. Justin Haller**, the meeting highlighted both translational and mechanistic work by both ISFR and OTA members alike. The first symposium focused on Fracture Nonunion with talks by ISFR members **Dr. Christopher Evans** and **Dr. Georg Duda**. This was followed by podium presentations for accepted abstracts on Nonunion and emerging technologies.

The second symposium was on Geriatric Fracture in collaboration with the Fragility Fracture Network with a highlight talk by ISFR member **Dr. Philipp Leucht**. The spotlight talk by Dr. Leucht was followed by a podium session on geriatric fracture fixation and another on infection and posttraumatic osteoarthritis.

The keynote address for the ORS ISFR/ BSFF Joint Meeting was given by Dr. Svetlana Ilizarov, daughter of Dr. Garvil Ilizarov, discussing his life and contributions to the world famous “distraction

osteogenesis” technique for bone healing and limb lengthening. The session concluded with a symposium on Polytrauma in collaboration with European Society for Trauma & Emergency Surgery (ESTES) which highlighted ISFR Members, **Dr. Prism Schneider**, **Dr. Melanie Haffner-Luntzer**, and **Dr. Hans-Christoph Pape** followed by a podium session on the basic science of the polytrauma patient.

The audience then gathered for the International Reception to network and relax. As usual, the forum was excellent, well attended, and greatly benefitted from the crossover event with new perspectives and learning happening across both the ISFR and OTA spectrum!

ISFR Members Recognized at the ORS ISFR Biennial Meeting

Travel Awardees



Connor Huxman

Graduate Student
Penn State



Sarah Floyd

Assistant Professor
Clemson University



Justin King

Postdoc Scholar
UConn



Reyad Elbarbary

Vice Chair for
Research
Penn State



William Lack



Miriam Tschaffon



Molly Czachor



Mingxin Ashby

Associate Professor

University of
Washington

Postdoc Scholar

Ulm University

Graduate Student

SPRI/Utah

Postdoc Scholar

Johns Hopkins

Podium Awardees



Connor Huxman

Graduate Student

Penn State



Miriam Tschaffon

Postdoc Scholar

Ulm University



Kevin Leclerc

Senior Research Scientist

NYU Langone

Top Poster Awardees



Matthew Patrick

Graduate Student

University of Buffalo



Minjian Huang

Postdoc Scholar

Duke University



Maria Schroder

Postdoc Scholar

AO Davos

Diversity Travel Awardee



Tarek Klaylat

Graduate Student

McGill University



ISFR Section at 2025 ORS Annual Meeting



The Annual Meeting will take place February 7-11, 2025 in Phoenix, AZ. The event will bring the orthopaedic community together for five days of workshops, learning sessions, networking, advocacy, and much more. The theme for the 2025 meeting is "Science is Our Core." Attendees of all career levels and from many disciplines will gather to network and learn about the latest innovations in orthopaedics.

[Register](#)

You voted and we listened! Be sure to check out the ISFR Scientific Meeting during the 2025 ORS Annual Meeting in Phoenix on Saturday, February 8th from 12:45–2:45 pm featuring *Nourishing Bones: Exploring the Role of Nutrition and Non-Pharmaceutical Interventions in Fracture Healing and Bone Health*.

Join us for a compelling lineup of invited speakers:

- **Dr. Ashley Weaver**, Wake Forest University (Engineering/Translation)
- **Dr. Laura McCabe**, Michigan State (Biology)
- **Dr. Mary Jane De Souza**, Penn State University (Clinical)

We are also proud to feature presentations from this year's ISFR Selected Rising Stars who will be recognized for their outstanding committee involvement and societal awards:

- **Peter Bertone**, Dartmouth
- **Dr. Honey Hendesi**, University of Colorado, Anschutz
- **Dr. Miriam Tschaffon-Müller**, University of Ulm

Be sure to join us for networking and refreshments at the ORS Section Reception, Saturday evening, following the ISFR Section meeting.

ISFR Societal Section Awards

The following awardees will be recognized at the upcoming ISFR Scientific Meeting at the ORS 2025 Annual Meeting in Phoenix.



The Orthopaedic Research Society and the ORS International Section of Fracture Repair (ISFR) are thrilled and honored to name **Dr. Anita Ignatius, PhD** as the 2025 recipient of the **ISFR Lifetime Achievement Award**.

This award proudly honors highly accomplished individuals who have, throughout their career, demonstrated and promoted the highest values of the ORS ISFR (collaboration, diversity, mentorship, innovation, scientific excellence) in their leadership, service, education, and professional relationships.

Dr. Anita Ignatius exemplifies the spirit of this award through her pioneering cross-disciplinary collaborations to accelerate scientific discovery, applying cutting edge technologies resulting in some of the first 'omics' data for fracture healing. Dr Ignatius's continued service on various committees including the AO Research Institute, and an impressive record of mentoring master students, clinicians, PhD candidates, post-doctoral fellows, and faculty directly training the next generation of bone researchers.

You can follow more of Dr. Anita Ignatius's work at the links below.

[Twitter \(X\)](#)

[ResearchGate](#)

[Ulm](#)



The Orthopaedic Research Society and the ORS International Section of Fracture Repair (ISFR) are thrilled and honored to name **Dr. Maria Rosa Iaquinta**, University of Ferrara, as recipient of the **ISFR Interdisciplinary Academic Exchange Grant Recipient!**

This competitively reviewed grant funds an ORS ISFR member to visit a research lab for the purpose of collaboration and knowledge exchange in the areas of fracture repair and/or bone regeneration research and to facilitate the exchange of new research methodologies and techniques.

Dr. Maria Rosa laquinta will visit ISFR member Dr. Elena Della Bella and Prof. Martin Stoddart's group at AO Research Institute Davos for a project entitled "*Functional Roles of Fracture Related miRNAs During Endochondral Differentiation.*"

You can follow more of Dr. Maria Rosa laquinta's work at the links below.

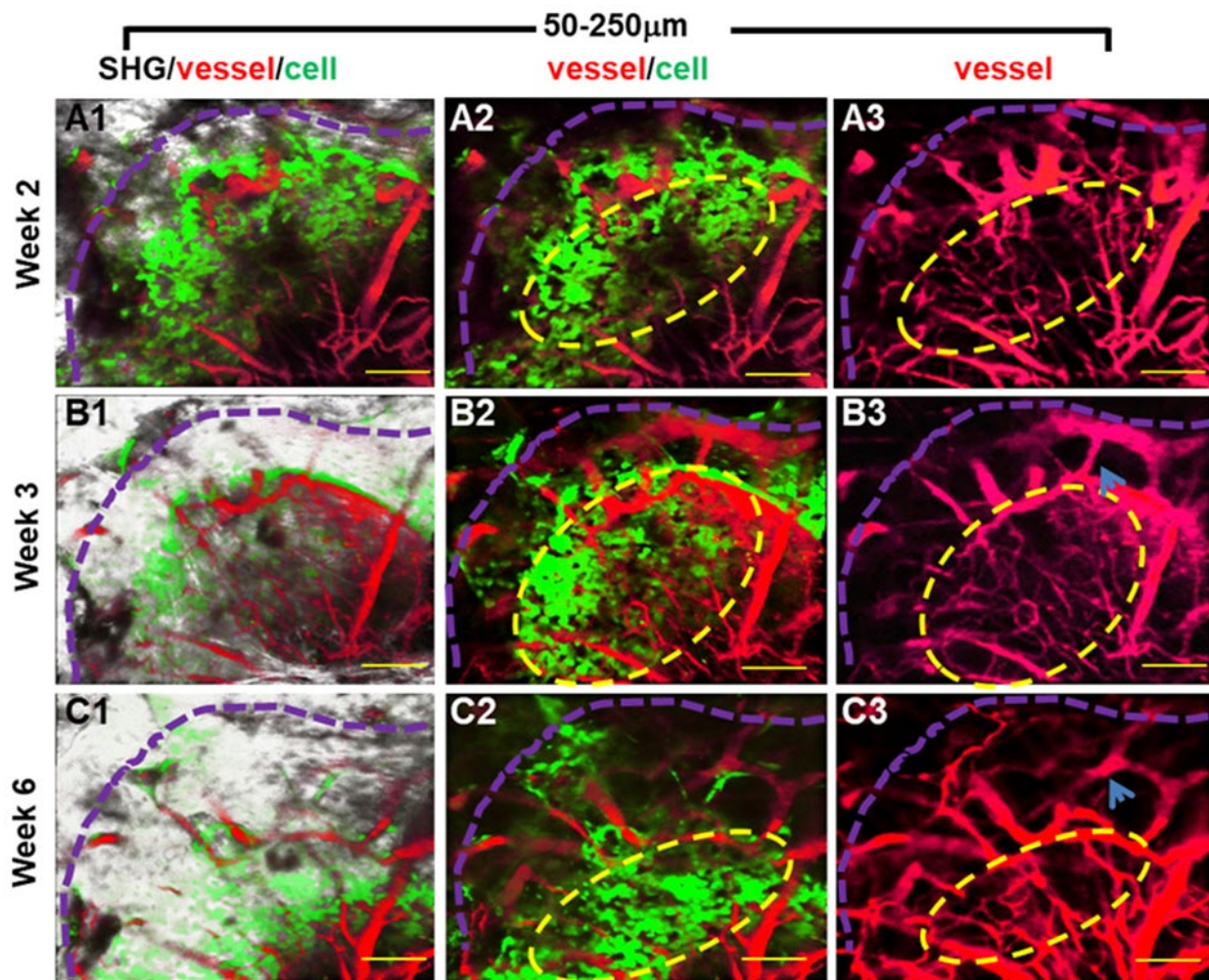
[LinkedIn](#)

[ResearchGate](#)

Member "Hot Topic" Research and Interview

Applications of Intravital Imaging in Fracture Repair

In this issue, we are highlighting Xingping Zhang, BMed, PhD, whose research centers on finding ways to reactivate the healing processes of bone.



From Xinping Zhang, B.Med, PhD. Longitudinal intravital images to show changes of bone (white), vessels (red) and osteoblasts (green) at a site of cranial defect.



Xinping Zhang, BMed, PhD

Professor, Department of Orthopaedics and Rehabilitation

Center for Musculoskeletal Research (SMD)

University of Rochester

[Read More about Xinping](#)

Welcome New Members

Welcome to our new members who recently joined the ISFR Section.

Abigail Carey-Ewend

Washington University

Kyra Grove

Western Michigan University

Randeep Chana

Albany Medical College

Aboubacar Wague

UC San Francisco

Layla Dawit

Harvard University

Seyedehelnaz Enderami

UniversitaMunster

Bassem Darwish, MD

Benha University

Mimma Maggio

Trinity College Dublin

William Gates

University of Texas

Eujung Park

Western New England
University

Owen Taylor-Williams

The University of Western
Australia

Kyle Zelenski

California State University
Chico

Kaitlyn Cimney

The Ohio State University

ISFR Publications

Congrats to all on these recent research publications!

Follow the Journal of Orthopaedic Research on [Twitter \(X\)](#) and their [website](#).

[Publication List](#)





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